IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date March 28, 2005

Attention All Employees Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject Method's Memo No. 105 (Use of Epoxy-Coated Reinforcing Steel)

The cost difference between black and epoxy-coated reinforcing has decreased to the point that expanded use of epoxy-coated bars will have a minimal impact on the overall cost of the bridge. Therefore, the Office of Bridges and Structures has adopted the following new policy regarding the use of epoxy-coated reinforcing steel:

- 1. All reinforcing bars in bridge abutments shall be epoxy coated including all reinforcing bars in the abutment seat, backwall and wing extensions.
- 2. All reinforcing bars in the intermediate concrete diaphragms for prestressed beam bridges shall be epoxy-coated.

This policy shall be implemented for all steel girder bridges, non-standard prestressed and non-standard concrete slab bridges where detailing has not yet started. Where bridge standard sheets (not yet modified to meet this policy) are applicable they shall be used as is. Current bridge standard sheet will be updated, to be consistent with this policy, at later date.

The office policy for using epoxy-coated reinforcing steel in piers will not be changed at this time.

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